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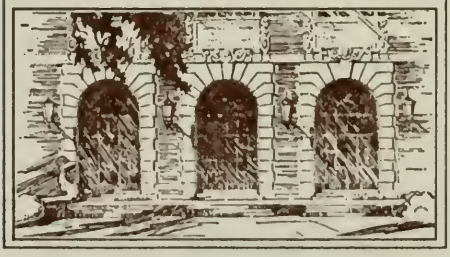

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OF UNITED STATES
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Index to the monthly issues from
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Volume I

A–I

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PREFACE

In compiling this 1951–1960 edition of the Decennial Index to the Monthly Catalog of United States Government Publications our purpose has been to provide a useful reference tool that will help make the information and knowledge contained in Government publications issued during this decade more accessible to the public. Citations in the index are by year and entry number.

Major emphasis has been placed on subjects in the preparation of this index. There are no entries for individual authors and only titles of unique interest and importance are included. Citations for series or publications which are closely identified with a particular department or agency are listed under the name of the Bureau or Agency. However, for regularly issued series, such as Farmers' Bulletins, which appear in practically every issue of the Monthly Catalog, citations under series title and Government author have been omitted. A *see* reference to the Monthly Catalog has been made in these cases.

In coordinating the index entries under large subjects, many subheads have been established and consistent patterns of treatment worked out. New subjects have been established which reflect the advance in scientific and technological knowledge during this period. Obsolete and archaic subjects have been discontinued or replaced by those of more modern usage.

Where title or principal subject phrases of serial publications have changed during the ten-year period, an endeavor has been made to use a single entry for the whole decade. This, in most cases, is the later style of entry.

Congressional Committee hearings and reports are indexed under the subject or subjects covered by the publications. Citations for cumulations of hearings or reports under the individual committees have been omitted.

The preparation of this index was under the direction of the late Joseph A. King until he was appointed Assistant Superintendent of Documents in 1965, at which time Mrs. Margaret B. Wilson, the newly appointed Chief of Library, took over the task and carried it through to its conclusion. Working under this leadership was a committee composed of staff members of the Public Documents Library. During the years that this project was in progress, the membership of the committee changed because of personnel changes in the staff. We would like to list all of the members of the staff who throughout the years have devoted so much time

and energy to this work, but since this was a group effort it would be quite difficult to be sure that we had included all who had contributed their part in making this index possible.

CARPER W. BUCKLEY,
Superintendent of Documents.

GOVERNMENT PRINTING OFFICE,
Washington, D.C., October 1, 1968.

Decennial Cumulative Index

1951–1960

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A.A.O.N.M.S., *see* Ancient Arabic Order of Nobles of Mystic Shrine.
A & P, *see* Great Atlantic and Pacific Tea Co.
A.C.I.C., *see* Aeronautical Chart and Information Center.
A.C. Israel Commodity Co., Inc., *see* Israel, A.C., Commodity Co., Inc.
A.C.P., *see* Agricultural conservation program.
A.E.C., *see* Atomic Energy Commission.
A.E.F., *see* American Expeditionary Forces.
A.F.C.R.C., *see* Air Force Cambridge Research Center.
A.F.L., *see* American Federation of Labor.
A.F.R.O.T.C., *see* Air Force Reserve Officers Training Corps.
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A.R.S., *see* Agricultural Research Service.
A.T. & T., *see* American Telephone and Telegraph Co.
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facilities and equipment for elementary schools (1956) 10745
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fishes—
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foreign aid publications (1957) 15362
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statistical publications (1958) 10422; (1959) 2855, 10886; (1960) 2544, 11898
foreign language-English, general language dictionaries (1955) 17355
foreign languages—
in elementary schools (1953) 7627; (1957) 1946; (1959) 8934
references for teachers (1957) 16677
foreign periodicals translated by societies, etc (1960) 291
foreign policy (1951) 20299
foreign trade of USSR with China (1959) 6499
foreign trade practice (1954) 12359; (1959) 12704
forestry (1954) 7774; (1955) 5293, 8637; (1959) 4198
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disease research in Agriculture Dept. (1957) 6008
forests of Latin America (1952) 12355
genetics and forest tree improvement (1956) 5764; (1960) 6203
genetics, Southeastern Forest Experiment Station (1956) 10901
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products, fungus, defects, trees, decay (1957) 4058; (1958) 8712
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forms for literature citations (1958) 882
foundry practice (1953) 1703
France, teaching aids for developing international understanding (1955) 15600
Franklin D. Roosevelt speeches, 1910–20 (1952) 19075
French West Africa, official publications, 1946–58 (1960) 7311
frozen food lockers (1953) 1569
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fruits and vegetables, chemistry (1951) 17220
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historical studies of World War II (1951) 17012
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interns (1960) 15334
human—
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engineering reports (1957) 5794
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the humanities (1951) 5592
humidity (1953) 11468
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hydrology (1952) 17731; (1956) 9182
hydrometeorology, transactions of higher educational in institutions, USSR (1960) 9957
hydroxides, abstracts (1955) 9138, 9145
IB series (1953) 1494–1738, 2895–96, 6398–6400, 8254–59, 9732–37, 11599–622, 13701–707, 16628, 18049, 19545; (1954) 3477, 6446–46A
ice cream (1955) 3803
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in biochemistry and biosynthesis of labeled compounds (1958) 6538
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Library of Congress—
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markets statistics and maps for national analysis (1954) 18240; (1956) 6706
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medical research, contributions by Public Health Service scientists (1960) 11572
medical reviews (1957) 14461; (1958) 13053; (1959) 13466; (1960) 14613
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industrial, and occupational health (1954) 13436; (1957) 12837
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mercury toxicity (1957) 16402
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hydrology and oceanography (1960) 967, 977, 996, 1024, 2021, 4100, 10022, 17359
USSR scientific work (1959) 14850
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migratory agricultural workers (1954) 19673
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income and wealth (1951) 19037
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nature (1952) 4326; (1954) 15744; (1955) 8387
naval history, biography, strategy and tactics (1956) 20694; (1960) 2158
Naval Research Laboratory series (1957) 4287, 11785–786, 14478–480, 16105, 17124, 18014; (1958) 3760, 16462; (1959) 9434; (1960) 2161
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neurology, writings by Babinski, Horsley, Sherrington, Van Gehuchten (1957) 11817
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1,2-cyclohexanedionedioxime (1956) 18397–398
optics and optical equipment (1953) 1544, 1667; (1958) 15646–647
organic acids in higher plants (1958) 6433; (1960) 6176
organization and methods analyst (1952) 9746
OTS selective bibliography—
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public health bibliography series (1955) 5156; (1956) 7778, 11143, 17703–704; (1957) 11817, 16174–175; (1958) 5070, 8915, 13120, 15320–321, 17358
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Russian periodicals (1959) 8019
Russian scientific and technical literature, translations (1954) 9305, 13114; (1955) 2396, 13303; (1956) 2467, 13615; (1957) 2952
indexes (1953) 8314; (1956) 7634; (1957) 4186
Russian scientific periodicals, translated titles (1952) 16186
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scientific—
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indexes (1951) 4204; (1952) 8166–67; (1954) 6457
numerical index supplements (1953) 8261–67
and technical serial publications (1954) 17624
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scintillation counters for slow neutrons (1955) 1199, 9047
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service clubs (1958) 11255
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Soviet abstract journals (1960) 14276, 14337, 18953
Soviet transportation and communications (1952) 11274
Soviet Union (1951) 2255, 12537; (1952) 1709, 12266
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Spanish books for children (1953) 13152
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Army Aviation School, Fort Rucker, Ala. (1959) 4300–1, 8387; (1960) 9151
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bulletins, major political subdivisions of world (1954) 7420
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yearbooks, major political subdivisions of world (1953) 20286
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technical films (1957) 4139
technical publications for Air Force libraries (1951) 2449, 5999, 12737, 17331–332
technical reports (1951) 2271, 12554; (1952) 1724, 12284; (1953) 3595, 14445; (1954) 2336, 2909, 12744; (1955) 2014
indexes (1951) 4205–6; (1952) 8168–69, 19207; (1953) 6397, 14445, 16629; (1955) 13941; (1956) 443, 9937
numerical index supplement (1953) 8268, 18051
technical translations (1959) 2342, 10870; (1960) 2526, 11885–886
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history (1960) 16297
Tennessee Valley Authority (1951) 19028–29; (1954) 7770, 15926, 17864; (1955) 16052
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textile series reports, Quartermaster Corps. (1953) 1657, 8256
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